

Fig. 1

F      D      R      E1      E2      W

Time

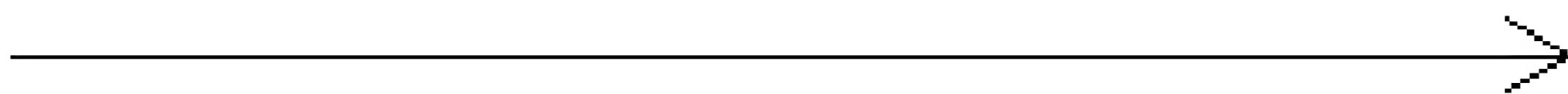


Fig. 2

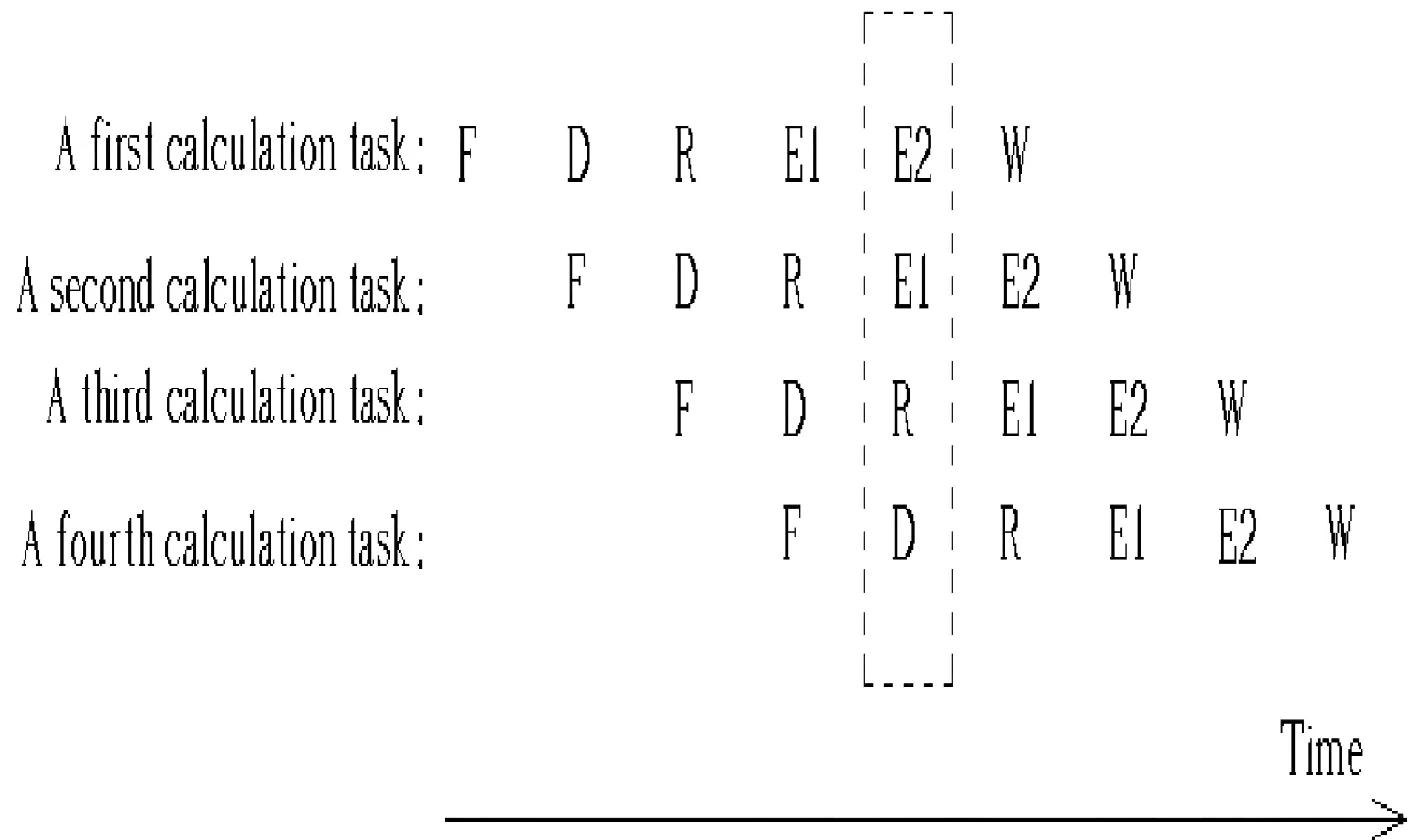


Fig. 3

A first calculation task ( $r_0 = r_1 \times r_2$ ): F D R E1 E2 W

Stall one instruction cycle

A second calculation task ( $r_3 = r_0 + r_4$ ):

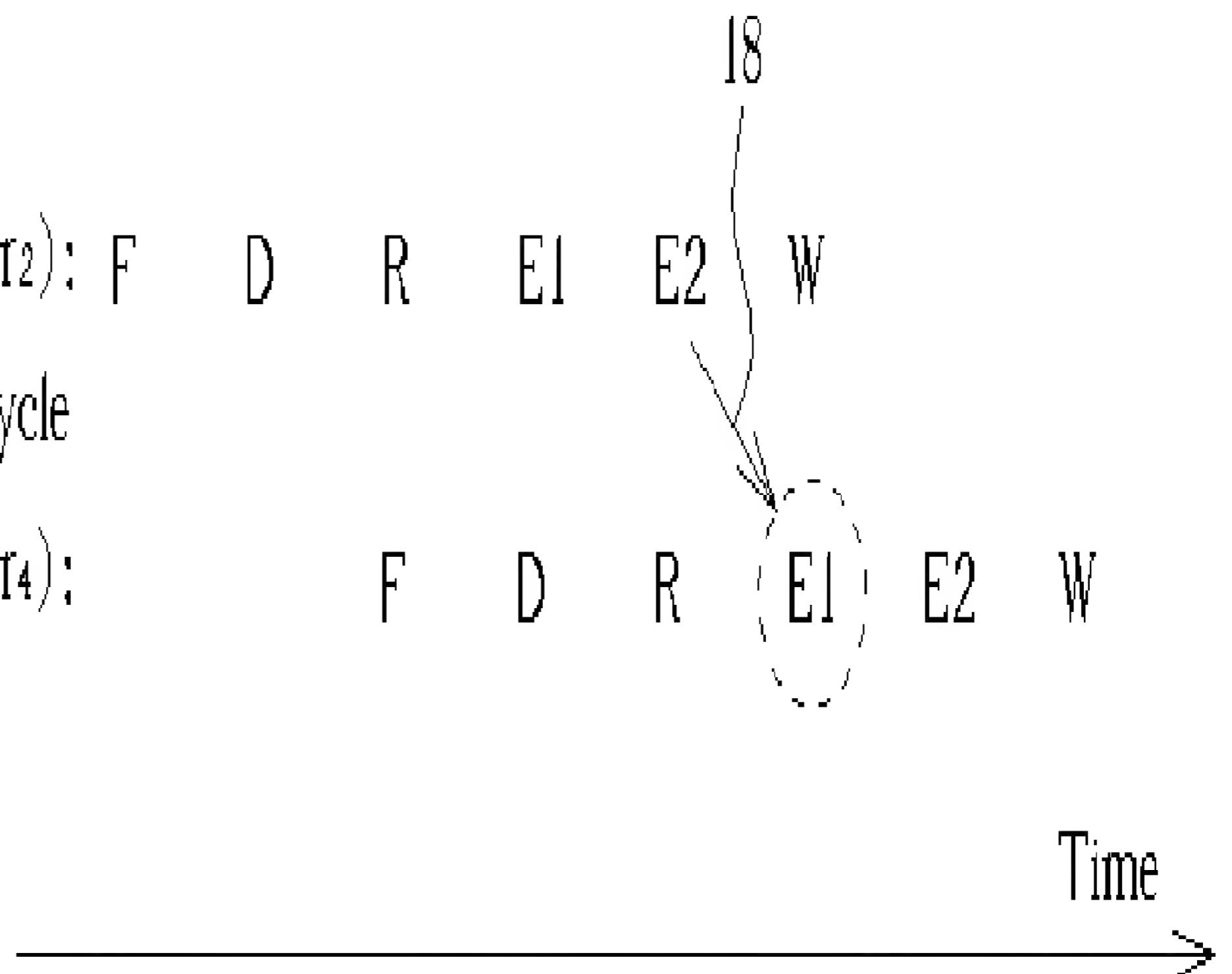


Fig. 4

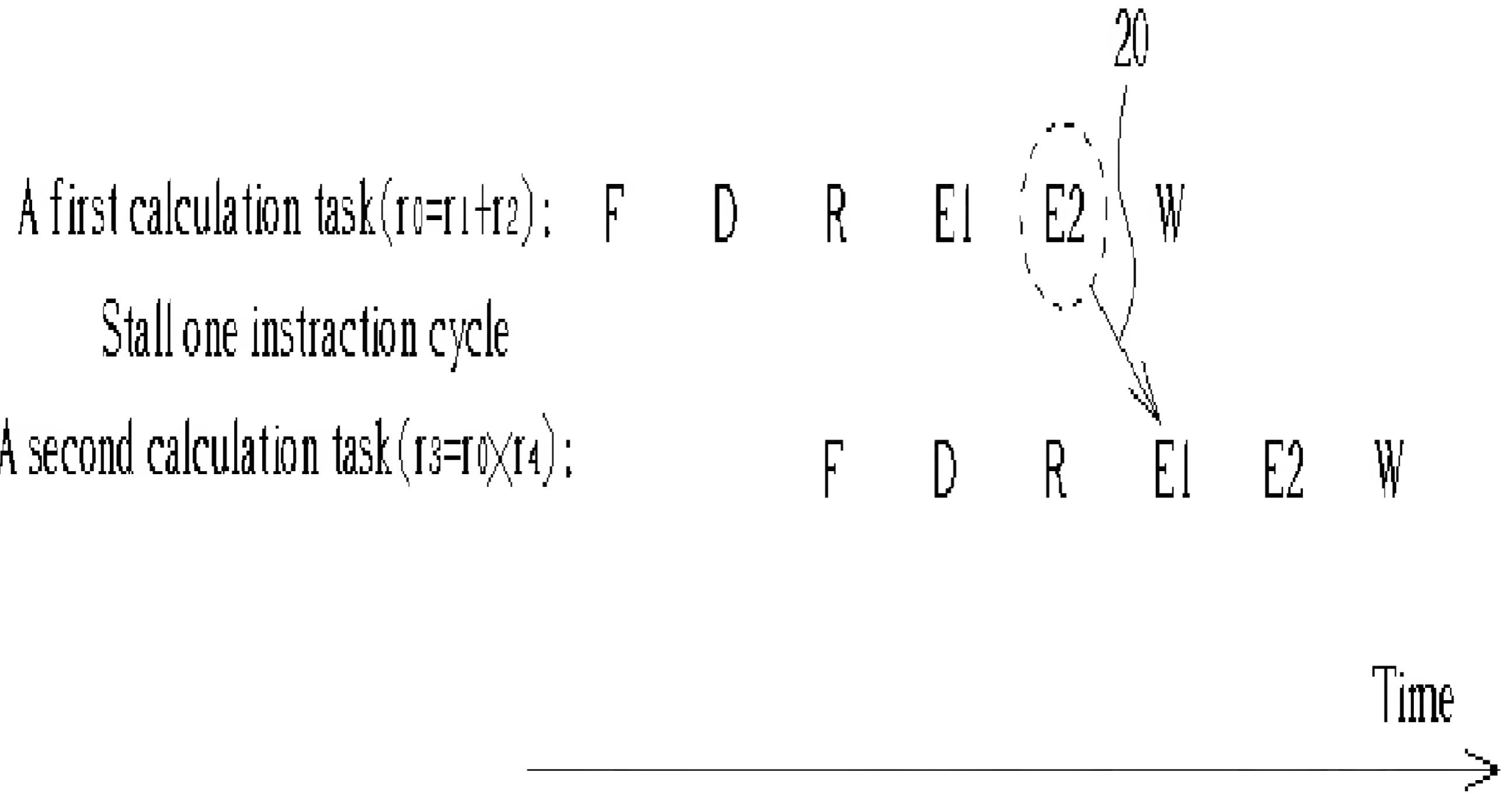


Fig. 5

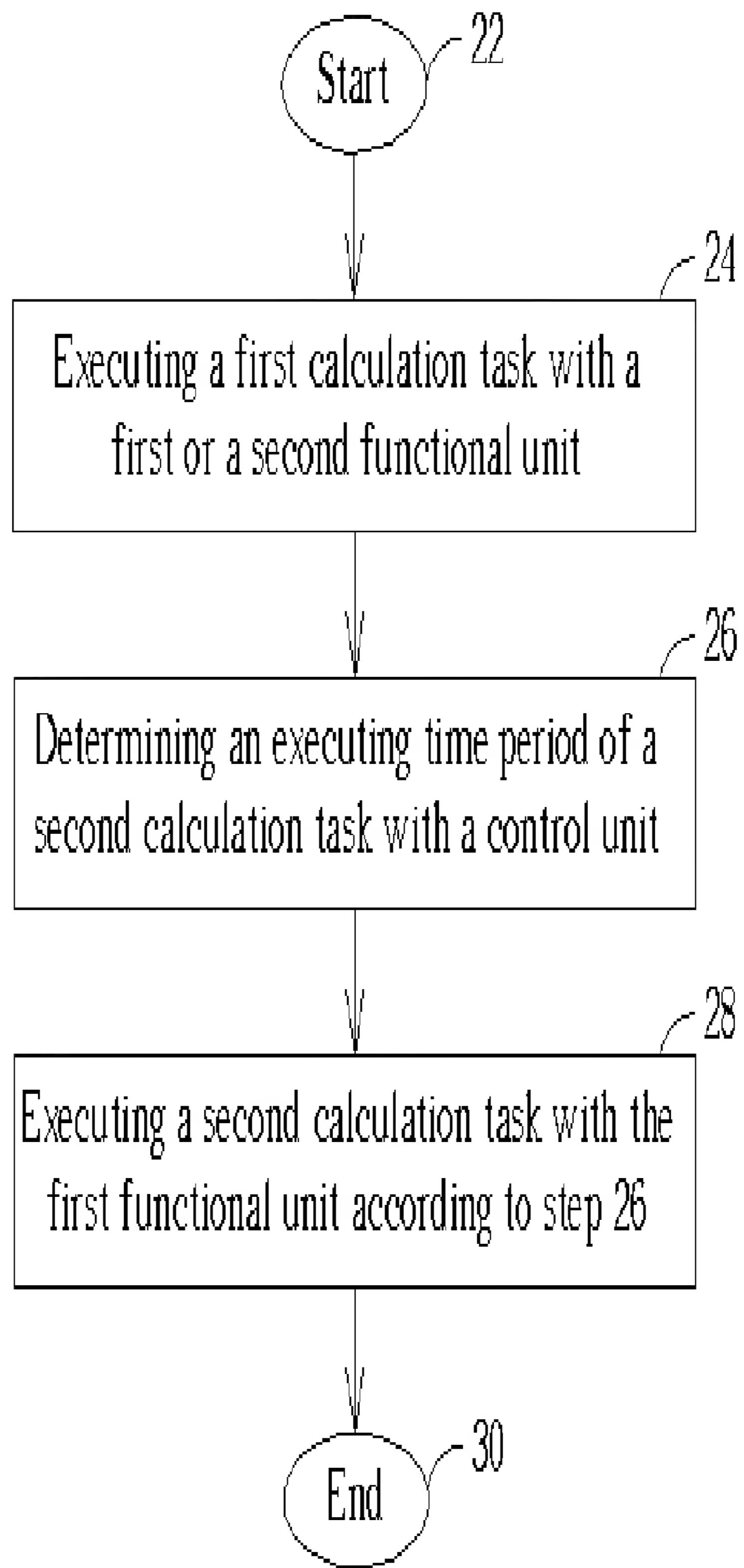
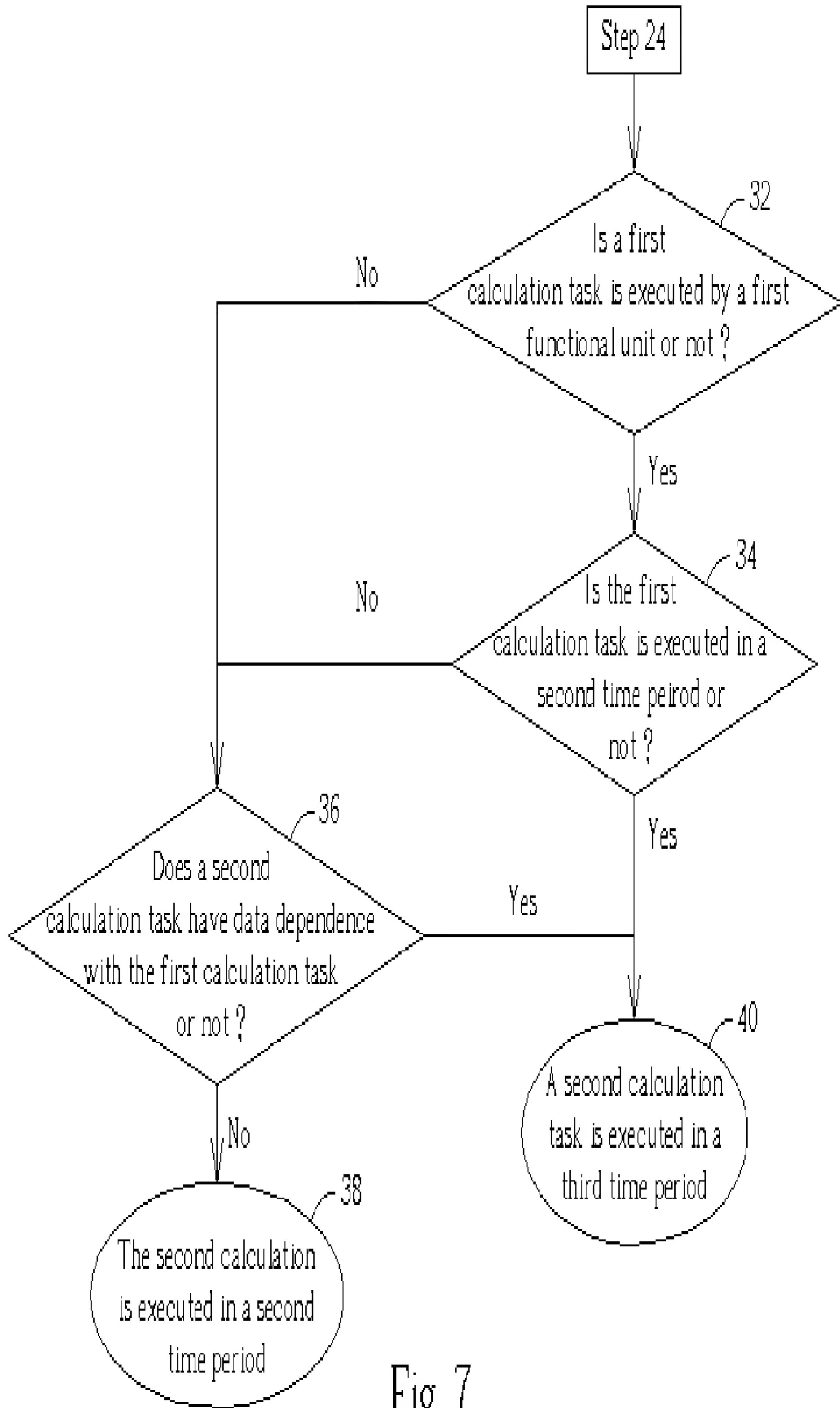


Fig. 6



Is a first calculation task executed a first functional unit or not?	Is a first calculation task of a first functional unit executed in E2 level or not?	Does a second calculation task have data dependence with a first calculation task or not?	Is a second calculation task of a first functional unit executed in E2 level or not?
0	x	0	0
0	x		
	0	0	0
	0		
		0	

Fig. 8